

Please type a plus sign (+) inside this box →

+

PTO/SB/05 (12/97)

Approved for use through 09/30/00. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

COMP:0061

Total Pages

81

First Named Inventor or Application Identifier

Michael F. Angelo

Express Mail Label No.

EL 432 942 412 US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:

Assistant Commissioner for Patents

Box Patent Application

Washington, DC 20231

1. ☒ Fee Transmittal Form
(Submit an original, and a duplicate for fee processing)
2. ☒ Specification **Total Pages 43**
(preferred arrangement set forth below)
-Descriptive
-Cross References to Related Application
-Statement Regarding Fed sponsored R & D
-Reference to Microfiche Appendix
-Background of the Invention
-Brief Summary of the Invention
-Brief Description of the Drawings (if filed)
-Detailed Description
-Claim(s)
-Abstract of the Disclosure
3. ☒ Drawing(s) (35 USC 113) **Total Sheets 10**
Total Pages 30
4. Oath or Declaration
a. ☒ Newly executed (original or copy)
b. ☐ Copy from a prior application (37CFR 1.63(d))
(for continuation/divisional with Box 17 completed)
[Note Box 5 below]
i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting
inventor(s) named in the prior application,
see 37 CFR 1.63(d)(2) and 1.33(b).
5. ☐ Incorporation By Reference (useable if Box 4b is checked)
The entire disclosure of the prior application, from which a
copy of the oath or declaration is supplied under Box 4b,
is considered as being part of the disclosure of the
accompanying application and is hereby incorporated by
reference therein.

6. ☐ Microfiche Computer Program (Appendix)
7. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
- a. ☐ Computer Readable Copy
b. ☐ Paper Copy (identical to computer copy)
c. ☐ Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

8. ☒ Assignment Papers (cover sheet & document(s))
9. ☐ 37 CFR 3.73(b) Statement ☒ Power of Attorney
(where there is an assignee)
10. ☐ English Translation Document (if applicable)
11. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
12. ☐ Preliminary Amendment
13. ☒ Return Receipt Postcard (MPEP 503)
14. ☐ Small Entity ☐ Statement filed in prior application
Statement(s) Status still proper and desired
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☐ Other

17. ☐ Continuation

☐ Divisional

☐ Continuation-in-part (CIP) of prior application No: ____/____

18. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label

☐ Correspondence address below

(Insert Customer No. or Attach bar code label here)

NAME Michael G. Fletcher

Fletcher, Yoder & Van Someren

ADDRESS P.O. Box 692289

CITY Houston

STATE

Texas

ZIP CODE

77269-2289

COUNTRY USA

TELEPHONE

(281) 970-4545

Fax

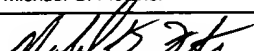
(281) 970-4503

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL		Complete if Known	
		Application Number	Unassigned
		Filing Date	Herewith
		First Named Inventor	Michael F. Angelo
		Group Art Unit	Unassigned
		Examiner Name	Unassigned
TOTAL AMOUNT OF PAYMENT	(\$) 1360.00	Attorney Docket Number	COMP:0061/FLE (P99-2549)

<p>METHOD OF PAYMENT (check one)</p> <p>1. <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:</p> <p>Deposit Account Number <u>06-1315/FLE</u></p> <p>Deposit Account Name <u>Fletcher, Yoder & Van Someren</u></p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Charge the Issue Fee Set in 37 CFR 1.18 at the Mailing of the Notice of Allowance, 37 CFR 1.31(b)</p> <p>2. <input checked="" type="checkbox"/> Payment Enclosed: <input checked="" type="checkbox"/> Check <input type="checkbox"/> Money Order <input type="checkbox"/> Other</p> <p style="text-align: center;">FEE CALCULATION (fees effective 10/01/96)</p> <p>1. FILING FEE</p> <table style="width: 100%;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr> <td>101</td> <td>690</td> <td>201</td> <td>345</td> <td>Utility filing fee</td> <td><u>690.00</u></td> </tr> <tr> <td>106</td> <td>310</td> <td>206</td> <td>155</td> <td>Design filing fee</td> <td></td> </tr> <tr> <td>107</td> <td>480</td> <td>207</td> <td>240</td> <td>Plant filing fee</td> <td></td> </tr> <tr> <td>108</td> <td>690</td> <td>208</td> <td>345</td> <td>Reissue filing fee</td> <td></td> </tr> <tr> <td>114</td> <td>150</td> <td>214</td> <td>75</td> <td>Provisional filing fee</td> <td></td> </tr> <tr> <td colspan="5" style="text-align: right;">SUBTOTAL (1)</td> <td>(\$) 690.00</td> </tr> </tbody> </table> <p>2. CLAIMS</p> <table style="width: 100%;"> <thead> <tr> <th></th> <th>Extra</th> <th>Fee from below</th> <th></th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>Total Claims 55 - 20 =</td> <td><u>35</u></td> <td>X <u>18</u></td> <td>=</td> <td><u>630.00</u></td> </tr> <tr> <td>Independent 3 - 3 =</td> <td><u>0</u></td> <td>X <u>78</u></td> <td>=</td> <td></td> </tr> <tr> <td>Multiple Dependent Claims</td> <td></td> <td>X</td> <td>=</td> <td></td> </tr> </tbody> </table> <table style="width: 100%;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr> <td>103</td> <td>18</td> <td>203</td> <td>9</td> <td>Claims in excess of 20</td> </tr> <tr> <td>102</td> <td>78</td> <td>202</td> <td>39</td> <td>Independent claims in excess of 3</td> </tr> <tr> <td>104</td> <td>260</td> <td>204</td> <td>130</td> <td>Multiple dependent claim</td> </tr> <tr> <td>109</td> <td>78</td> <td>209</td> <td>39</td> <td>Reissue Independent claims over original patent</td> </tr> <tr> <td>110</td> <td>18</td> <td>210</td> <td>9</td> <td>Reissue claims in excess of 20 and over original patent</td> </tr> <tr> <td colspan="5" style="text-align: right;">SUBTOTAL (2)</td> <td>(\$) 630.00</td> </tr> </tbody> </table>	Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	101	690	201	345	Utility filing fee	<u>690.00</u>	106	310	206	155	Design filing fee		107	480	207	240	Plant filing fee		108	690	208	345	Reissue filing fee		114	150	214	75	Provisional filing fee		SUBTOTAL (1)					(\$) 690.00		Extra	Fee from below		Fee Paid	Total Claims 55 - 20 =	<u>35</u>	X <u>18</u>	=	<u>630.00</u>	Independent 3 - 3 =	<u>0</u>	X <u>78</u>	=		Multiple Dependent Claims		X	=		Large Entity		Small Entity		Fee Description	Fee Code	Fee (\$)	Fee Code	Fee (\$)	103	18	203	9	Claims in excess of 20	102	78	202	39	Independent claims in excess of 3	104	260	204	130	Multiple dependent claim	109	78	209	39	Reissue Independent claims over original patent	110	18	210	9	Reissue claims in excess of 20 and over original patent	SUBTOTAL (2)					(\$) 630.00	<p>3. ADDITIONAL FEES</p> <table style="width: 100%;"> <thead> <tr> <th>Large Fee Code</th> <th>Entity Fee (\$)</th> <th>Small Fee Code</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>105</td> <td>130</td> <td>205</td> <td>65</td> <td>Surcharge - late filing fee or oath</td> <td></td> </tr> <tr> <td>127</td> <td>50</td> <td>227</td> <td>25</td> <td>Surcharge - late provisional filing or cover sheet</td> <td></td> </tr> <tr> <td>139</td> <td>130</td> <td>139</td> <td>130</td> <td>Non-English specification</td> <td></td> </tr> <tr> <td>147</td> <td>2,520</td> <td>147</td> <td>2,520</td> <td>For filing a request for reexamination</td> <td></td> </tr> <tr> <td>112</td> <td>920</td> <td>112</td> <td>920</td> <td>Requesting publication of SIR prior to Examiner action</td> <td></td> </tr> <tr> <td>113</td> <td>1,840</td> <td>113</td> <td>1,840</td> <td>Requesting publication of SIR after Examiner action</td> <td></td> </tr> <tr> <td>115</td> <td>110</td> <td>215</td> <td>55</td> <td>Extension for response within first month</td> <td></td> </tr> <tr> <td>116</td> <td>400</td> <td>216</td> <td>200</td> <td>Extension for response within second month</td> <td></td> </tr> <tr> <td>117</td> <td>950</td> <td>217</td> <td>475</td> <td>Extension for response within third month</td> <td></td> </tr> <tr> <td>118</td> <td>1,570</td> <td>218</td> <td>755</td> <td>Extension for response within fourth month</td> <td></td> </tr> <tr> <td>119</td> <td>310</td> <td>219</td> <td>155</td> <td>Notice of Appeal</td> <td></td> </tr> <tr> <td>120</td> <td>310</td> <td>220</td> <td>155</td> <td>Filing a brief in support of an appeal</td> <td></td> </tr> <tr> <td>121</td> <td>270</td> <td>221</td> <td>135</td> <td>Request for oral hearing</td> <td></td> </tr> <tr> <td>138</td> <td>1,510</td> <td>138</td> <td>1,510</td> <td>Petition to institute a public use proceeding</td> <td></td> </tr> <tr> <td>140</td> <td>110</td> <td>240</td> <td>55</td> <td>Petition to revive unavoidably abandoned application</td> <td></td> </tr> <tr> <td>141</td> <td>1,320</td> <td>241</td> <td>660</td> <td>Petition to revive unintentionally abandoned application</td> <td></td> </tr> <tr> <td>142</td> <td>1,320</td> <td>242</td> <td>660</td> <td>Utility issue fee (or reissue)</td> <td></td> </tr> <tr> <td>143</td> <td>450</td> <td>243</td> <td>225</td> <td>Design issue fee</td> <td></td> </tr> <tr> <td>144</td> <td>670</td> <td>244</td> <td>335</td> <td>Plant issue fee</td> <td></td> </tr> <tr> <td>122</td> <td>130</td> <td>122</td> <td>130</td> <td>Petitions to the Commissioner</td> <td></td> </tr> <tr> <td>123</td> <td>50</td> <td>123</td> <td>50</td> <td>Petitions related to provisional applications</td> <td></td> </tr> <tr> <td>126</td> <td>240</td> <td>126</td> <td>240</td> <td>Submission of Information Disclosure Stmt</td> <td></td> </tr> <tr> <td>581</td> <td>40</td> <td>581</td> <td>40</td> <td>Recording each patent assignment per property (times number of properties)</td> <td><u>40.00</u></td> </tr> <tr> <td>146</td> <td>790</td> <td>246</td> <td>395</td> <td>Filing a submission after final rejection (37 CFR 1.129(a))</td> <td></td> </tr> <tr> <td>149</td> <td>790</td> <td>249</td> <td>395</td> <td>For each additional invention to be examined (37 CFR 1.129(b))</td> <td></td> </tr> <tr> <td colspan="5">Other fee (specify) _____</td> <td></td> </tr> <tr> <td colspan="5">Other fee (specify) _____</td> <td></td> </tr> <tr> <td colspan="5" style="text-align: right;">SUBTOTAL (3)</td> <td>(\$) 40.00</td> </tr> </tbody> </table> <p>* Reduced by Basic Filing Fee Paid</p>	Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid	105	130	205	65	Surcharge - late filing fee or oath		127	50	227	25	Surcharge - late provisional filing or cover sheet		139	130	139	130	Non-English specification		147	2,520	147	2,520	For filing a request for reexamination		112	920	112	920	Requesting publication of SIR prior to Examiner action		113	1,840	113	1,840	Requesting publication of SIR after Examiner action		115	110	215	55	Extension for response within first month		116	400	216	200	Extension for response within second month		117	950	217	475	Extension for response within third month		118	1,570	218	755	Extension for response within fourth month		119	310	219	155	Notice of Appeal		120	310	220	155	Filing a brief in support of an appeal		121	270	221	135	Request for oral hearing		138	1,510	138	1,510	Petition to institute a public use proceeding		140	110	240	55	Petition to revive unavoidably abandoned application		141	1,320	241	660	Petition to revive unintentionally abandoned application		142	1,320	242	660	Utility issue fee (or reissue)		143	450	243	225	Design issue fee		144	670	244	335	Plant issue fee		122	130	122	130	Petitions to the Commissioner		123	50	123	50	Petitions related to provisional applications		126	240	126	240	Submission of Information Disclosure Stmt		581	40	581	40	Recording each patent assignment per property (times number of properties)	<u>40.00</u>	146	790	246	395	Filing a submission after final rejection (37 CFR 1.129(a))		149	790	249	395	For each additional invention to be examined (37 CFR 1.129(b))		Other fee (specify) _____						Other fee (specify) _____						SUBTOTAL (3)					(\$) 40.00
Large Entity		Small Entity		Fee Description			Fee Paid																																																																																																																																																																																																																																																																																		
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																																																																																																																						
101	690	201	345	Utility filing fee	<u>690.00</u>																																																																																																																																																																																																																																																																																				
106	310	206	155	Design filing fee																																																																																																																																																																																																																																																																																					
107	480	207	240	Plant filing fee																																																																																																																																																																																																																																																																																					
108	690	208	345	Reissue filing fee																																																																																																																																																																																																																																																																																					
114	150	214	75	Provisional filing fee																																																																																																																																																																																																																																																																																					
SUBTOTAL (1)					(\$) 690.00																																																																																																																																																																																																																																																																																				
	Extra	Fee from below		Fee Paid																																																																																																																																																																																																																																																																																					
Total Claims 55 - 20 =	<u>35</u>	X <u>18</u>	=	<u>630.00</u>																																																																																																																																																																																																																																																																																					
Independent 3 - 3 =	<u>0</u>	X <u>78</u>	=																																																																																																																																																																																																																																																																																						
Multiple Dependent Claims		X	=																																																																																																																																																																																																																																																																																						
Large Entity		Small Entity		Fee Description																																																																																																																																																																																																																																																																																					
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																																																																																																																						
103	18	203	9	Claims in excess of 20																																																																																																																																																																																																																																																																																					
102	78	202	39	Independent claims in excess of 3																																																																																																																																																																																																																																																																																					
104	260	204	130	Multiple dependent claim																																																																																																																																																																																																																																																																																					
109	78	209	39	Reissue Independent claims over original patent																																																																																																																																																																																																																																																																																					
110	18	210	9	Reissue claims in excess of 20 and over original patent																																																																																																																																																																																																																																																																																					
SUBTOTAL (2)					(\$) 630.00																																																																																																																																																																																																																																																																																				
Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																																																																																																																																				
105	130	205	65	Surcharge - late filing fee or oath																																																																																																																																																																																																																																																																																					
127	50	227	25	Surcharge - late provisional filing or cover sheet																																																																																																																																																																																																																																																																																					
139	130	139	130	Non-English specification																																																																																																																																																																																																																																																																																					
147	2,520	147	2,520	For filing a request for reexamination																																																																																																																																																																																																																																																																																					
112	920	112	920	Requesting publication of SIR prior to Examiner action																																																																																																																																																																																																																																																																																					
113	1,840	113	1,840	Requesting publication of SIR after Examiner action																																																																																																																																																																																																																																																																																					
115	110	215	55	Extension for response within first month																																																																																																																																																																																																																																																																																					
116	400	216	200	Extension for response within second month																																																																																																																																																																																																																																																																																					
117	950	217	475	Extension for response within third month																																																																																																																																																																																																																																																																																					
118	1,570	218	755	Extension for response within fourth month																																																																																																																																																																																																																																																																																					
119	310	219	155	Notice of Appeal																																																																																																																																																																																																																																																																																					
120	310	220	155	Filing a brief in support of an appeal																																																																																																																																																																																																																																																																																					
121	270	221	135	Request for oral hearing																																																																																																																																																																																																																																																																																					
138	1,510	138	1,510	Petition to institute a public use proceeding																																																																																																																																																																																																																																																																																					
140	110	240	55	Petition to revive unavoidably abandoned application																																																																																																																																																																																																																																																																																					
141	1,320	241	660	Petition to revive unintentionally abandoned application																																																																																																																																																																																																																																																																																					
142	1,320	242	660	Utility issue fee (or reissue)																																																																																																																																																																																																																																																																																					
143	450	243	225	Design issue fee																																																																																																																																																																																																																																																																																					
144	670	244	335	Plant issue fee																																																																																																																																																																																																																																																																																					
122	130	122	130	Petitions to the Commissioner																																																																																																																																																																																																																																																																																					
123	50	123	50	Petitions related to provisional applications																																																																																																																																																																																																																																																																																					
126	240	126	240	Submission of Information Disclosure Stmt																																																																																																																																																																																																																																																																																					
581	40	581	40	Recording each patent assignment per property (times number of properties)	<u>40.00</u>																																																																																																																																																																																																																																																																																				
146	790	246	395	Filing a submission after final rejection (37 CFR 1.129(a))																																																																																																																																																																																																																																																																																					
149	790	249	395	For each additional invention to be examined (37 CFR 1.129(b))																																																																																																																																																																																																																																																																																					
Other fee (specify) _____																																																																																																																																																																																																																																																																																									
Other fee (specify) _____																																																																																																																																																																																																																																																																																									
SUBTOTAL (3)					(\$) 40.00																																																																																																																																																																																																																																																																																				

SUBMITTED BY				Complete (if applicable)	
Typed or Printed Name		Michael G. Fletcher		Reg. Number 32,777	
Signature				Date	03/31/00
				Deposit Acct. User ID	